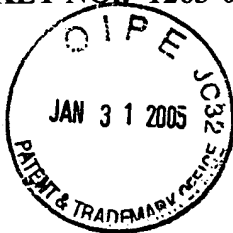


DOCKET NO.: 1263-0009US

PATENT APPLICATION



Date of Notice  
of Allowance:  
Serial No. :

October 29, 2004  
09/886,577

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

RICHARD S. ROY

Serial No.: 09/886,577

Filed: June 21, 2001

§  
§  
§  
§  
§  
§

Group No.: 2811

Examiner: Paul A. Baker

For: SIMULTANEOUS ACCESS AND CACHE LOADING IN A HIERARCHICALLY  
ORGANIZED MEMORY CIRCUIT

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

"EXPRESS MAIL" Mailing Label No. .... EV386627699US .....  
Date of Deposit ..... JANUARY 31, 2005 .....

**ISSUE FEE TRANSMITTAL LETTER**

Transmitted for filing with the Commissioner for Patents are the following documents:

1. Page 1 - Notice of Allowance and Fee(s) Due;
2. Part B - Issue Fee Transmittal;
3. Check in the amount of \$700.00 in payment of the issue fee;
4. Check in the amount of \$15.00 in payment of 5 advance copies;
5. Transmittal Letter to Official Draftsman and ten (10) sheets of formal drawings;  
and
6. Postcard for date receipt stamping.

**DOCKET NO.: 1263-0009US**

**PATENT APPLICATION**

The Commissioner is hereby authorized to charge any deficiency in the required fee or to credit any overpayment to our Deposit Account No. 03-1130.

Applicant properly claimed SMALL ENTITY status during the course of prosecution of the present patent application. Attached herewith are copies of the Official Filing Receipt as well as applicant's Patent Application Transmittal that indicate applicant's small entity status. Accordingly, only half the ISSUE FEE shown in the Notice of Allowance is submitted herewith.

Further, Applicant has included herewith a set of formal drawings (10 sheets). No new matter is introduced by way of the present formal drawings.

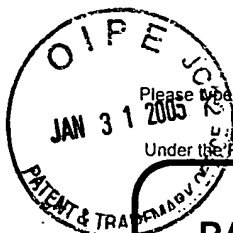
Respectfully submitted,



Date: January 31, 2005

\_\_\_\_\_  
Shreen K. Danamraj  
Reg. No. 41,696

DANAMRAJ & YOUST, P.C.  
Premier Place, Suite 1450  
5910 N. Central Expressway  
Dallas, Texas 75206  
(214) 750-5666



Please use a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1263-0009US
First Inventor	Richard S. Roy
Title	Simultaneous Access and Cache Loading in a Hierarchically
Express Mail Label No.	EL851564135US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
  - ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
  - ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the invention
    - Cross Reference to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - ☒ Drawing(s) (35 U.S.C. 113) [Total   - Oath or Declaration [Total Pages   - ☐ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76
- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☒ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: Unexecuted Declaration and Power of Attorney

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label



or ☐ Correspondence address below

(Insert Customer Number or Bar Code label here)

Name	28240		
Address	PATENT TRADEMARK OFFICE		
City	State	Zip Code	
Country	Telephone	972-720-1202	Fax 972-720-1139

Name (Print/Type) Shreen K. Danamraj

Registration No. (Attorney/Agent)

41,696

Signature

*[Signature]*

Date

June 21, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



UNITED STATES PATENT AND TRADEMARK OFFICE

Docket

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/886,577	06/21/2001	2818	420	1263-0009US	10	20	2

28240  
SMITH, DANAMRAJ & YOST, P.C.  
12900 PRESTON ROAD, SUITE 1200  
LB-15  
DALLAS, TX 75230

RECEIVED  
OCT 26 2001

CONFIRMATION NO. 6631

UPDATED FILING RECEIPT



\*OC000000006955952\*

Date Mailed: 10/23/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Richard S. Roy, Danville, CA;

**Domestic Priority data as claimed by applicant****Foreign Applications****If Required, Foreign Filing License Granted 08/13/2001****Projected Publication Date:** Request for Non-Publication Acknowledged**Non-Publication Request:** Yes**Early Publication Request:** No**\*\* SMALL ENTITY \*\*****Title**

Simultaneous access and cache loading in a hierarchically organized memory circuit

**Preliminary Class**

365

COPY

---

**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

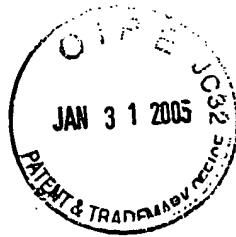
The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 127-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

COPY

DOCKET NO.: 1263-0009US



PATENT APPLICATION

Date of Notice  
of Allowance: October 29, 2004  
Serial No. : 09/886,577

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

RICHARD S. ROY

Serial No.: 09/886,577

Filed: June 21, 2001

§  
§  
§  
§  
§  
§

Group No.: 2811

Examiner: Paul A. Baker

For: SIMULTANEOUS ACCESS AND CACHE LOADING IN A HIERARCHICALLY  
ORGANIZED MEMORY CIRCUIT

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

"EXPRESS MAIL" Mailing Label No. .... EV386627699US .....  
Date of Deposit ..... JANUARY 31, 2005 .....

ATTN: Official Draftsman

**TRANSMITTAL LETTER TO OFFICIAL DRAFTSMAN**

Responsive to the Notice of Allowance dated October 29, 2004 and to the Notice Regarding Drawings dated January 25, 2005, enclosed please find ten (10) sheet(s) of formal drawings relating to the above-identified patent application.

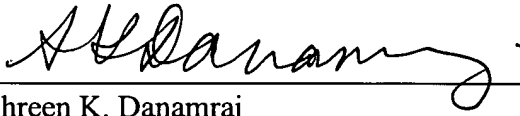
**DOCKET NO.: 1263-0009US**

**PATENT APPLICATION**

The enclosed drawings each bear the date of the Notice of Allowance and Serial No. of the application on their reverse side. Please charge any comparison fees to our Deposit Account No. 03-1130.

In view of the above, the present application is believed to be in a condition ready for issuance.

Date: January 31, 2005

  
Shreen K. Danamraj  
Reg. No. 41,696

DANAMRAJ & YOUST, P.C.  
Premier Place, Suite 1450  
5910 N. Central Expressway  
Dallas, Texas 75206  
(214) 750-5666